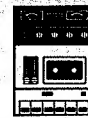


G1789

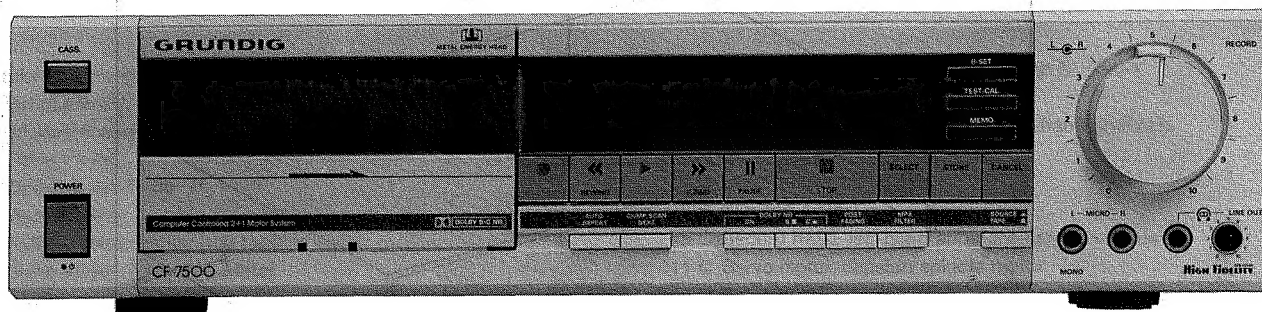
GRUNDIG SERVICE MANUAL



D Btx * 32700 #

4/86

CF 7500



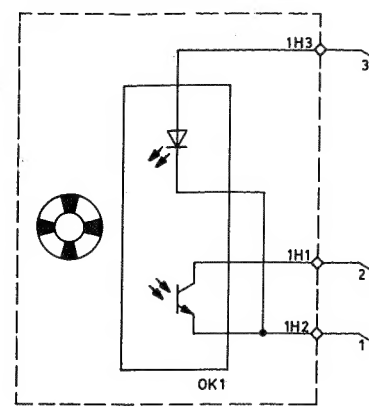
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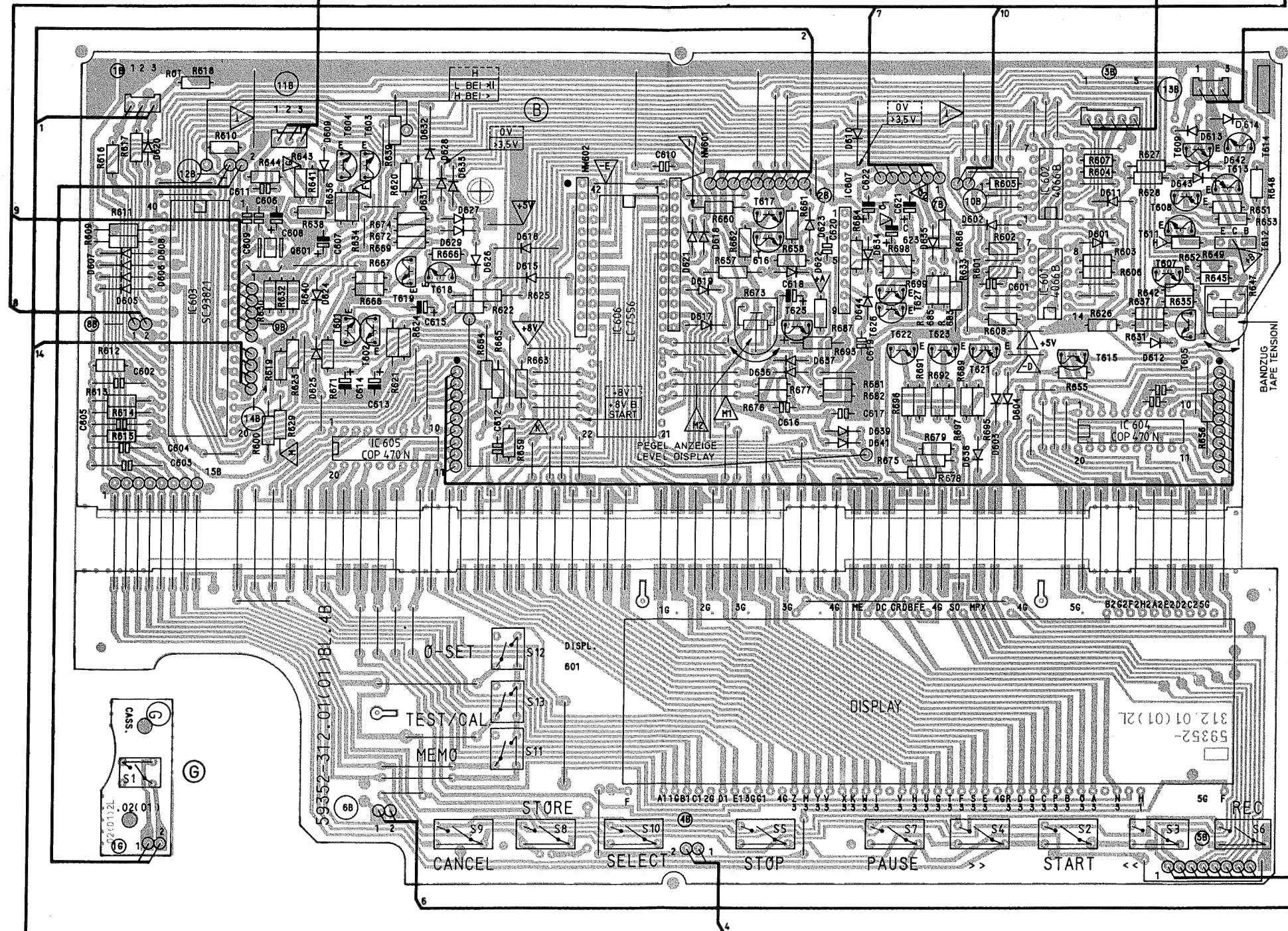
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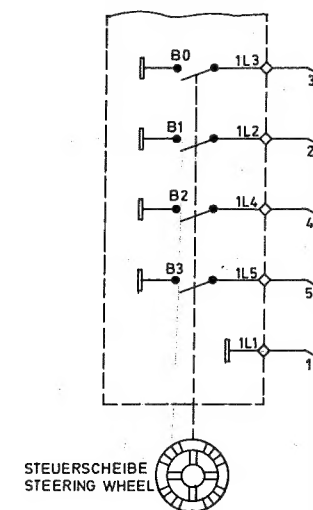
OPTOKOPPLER - PLATTE
OPTOCOUPLER - BOARD (H)



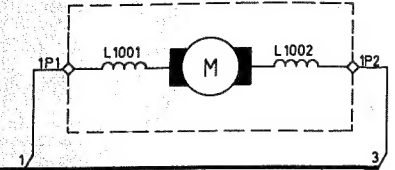
ELEKTRONIK PLATTE
ELECTRONIC BOARD (B)



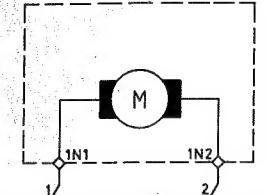
SERVO - PLATTE
SERVO - BOARD (L)



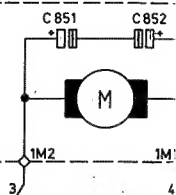
WICKELMOTOR
WINDING MOTOR UNIT (P)



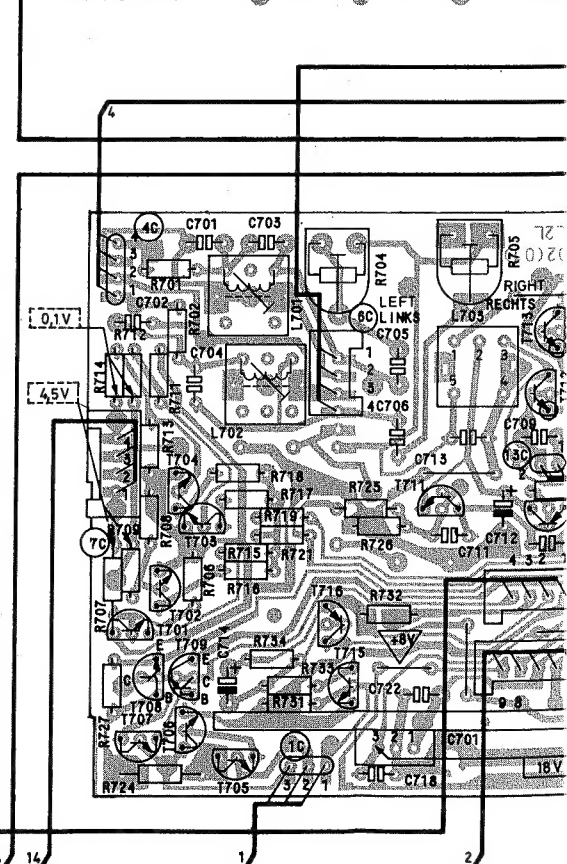
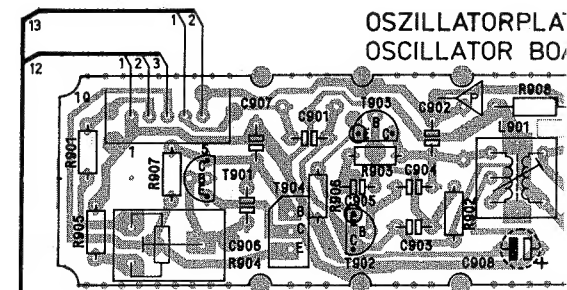
TONWELLEN -
MOTOR - BAUST.
CAPSTAN -
MOTOR UNIT (N)

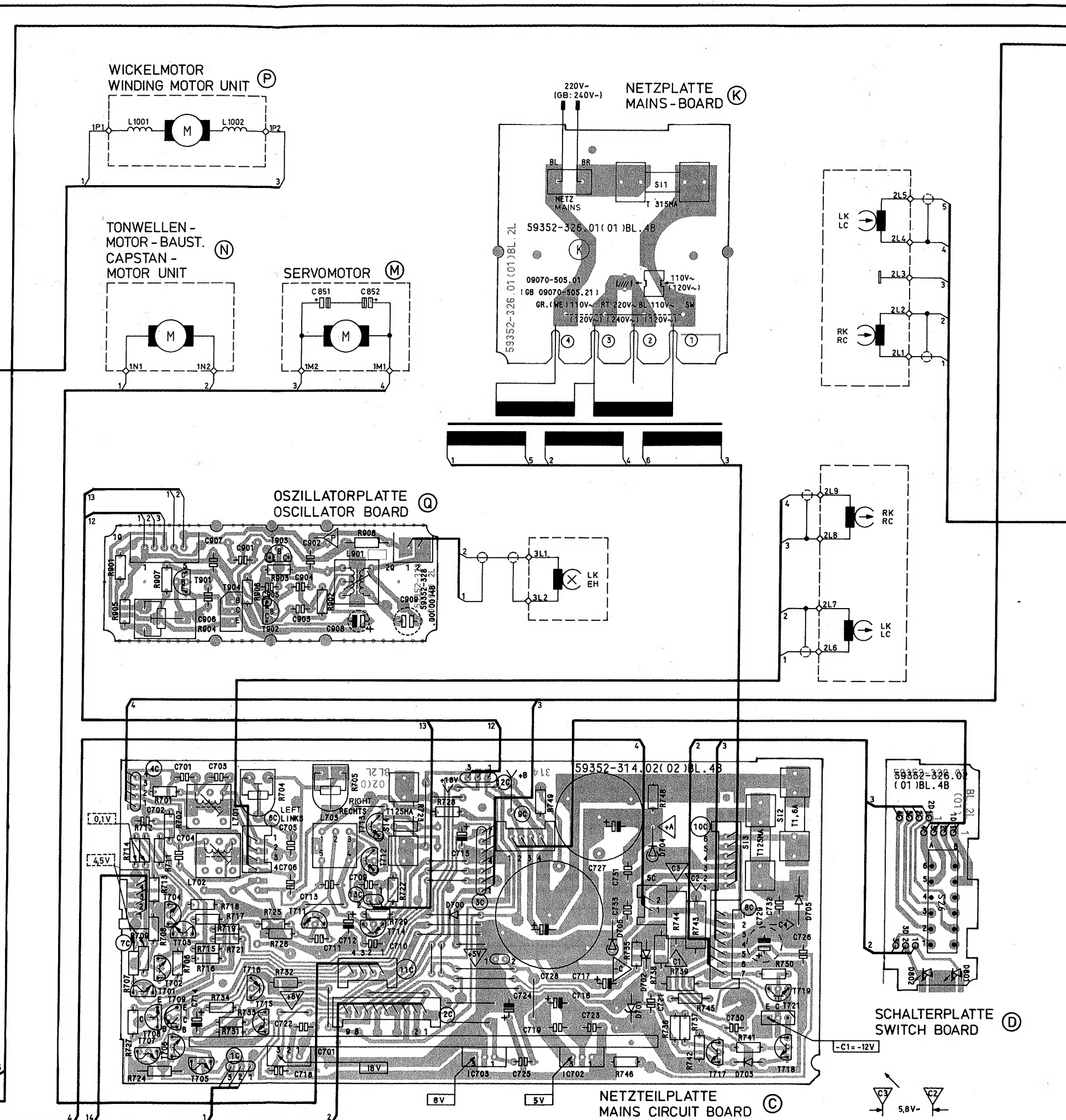
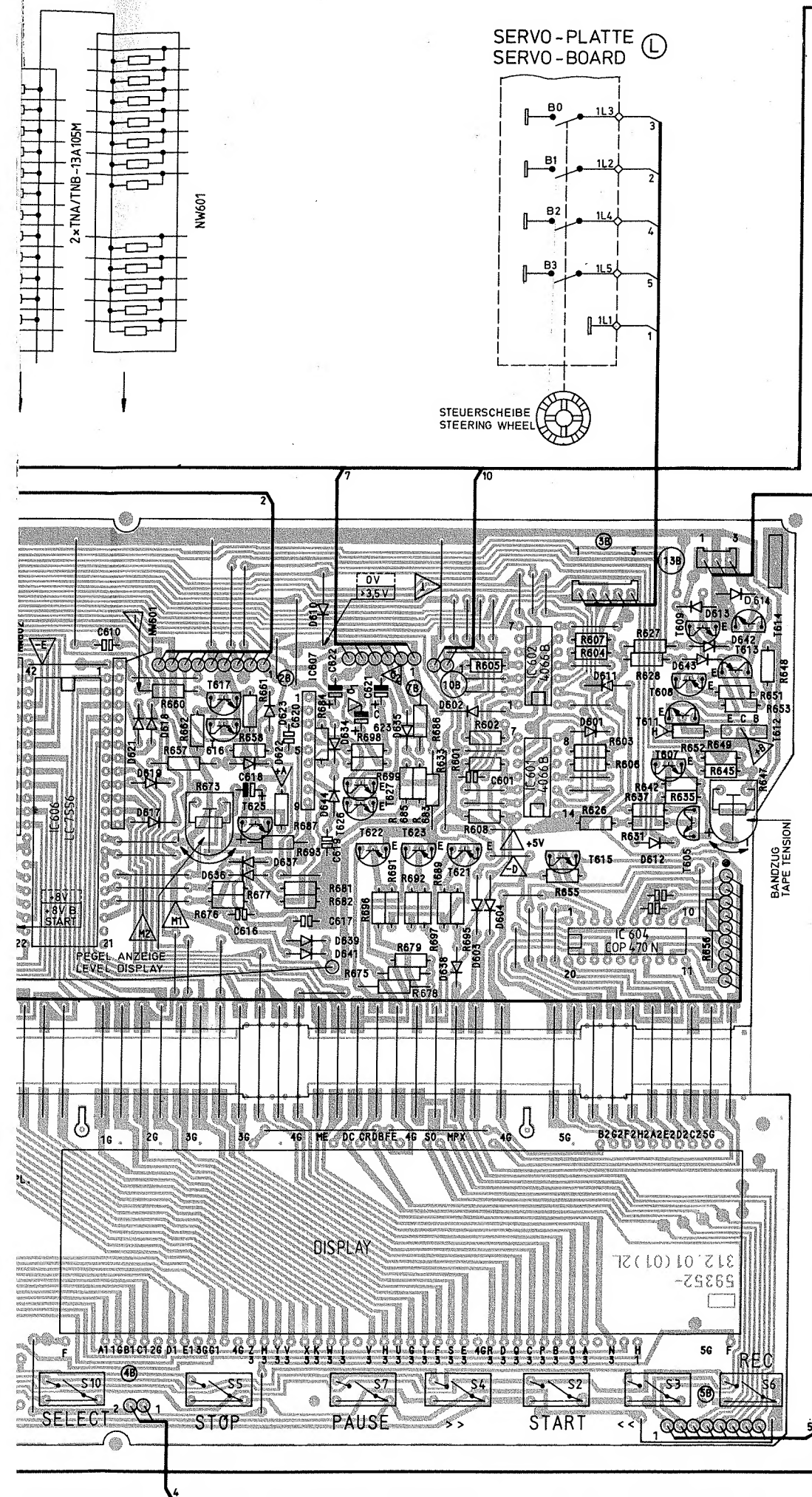


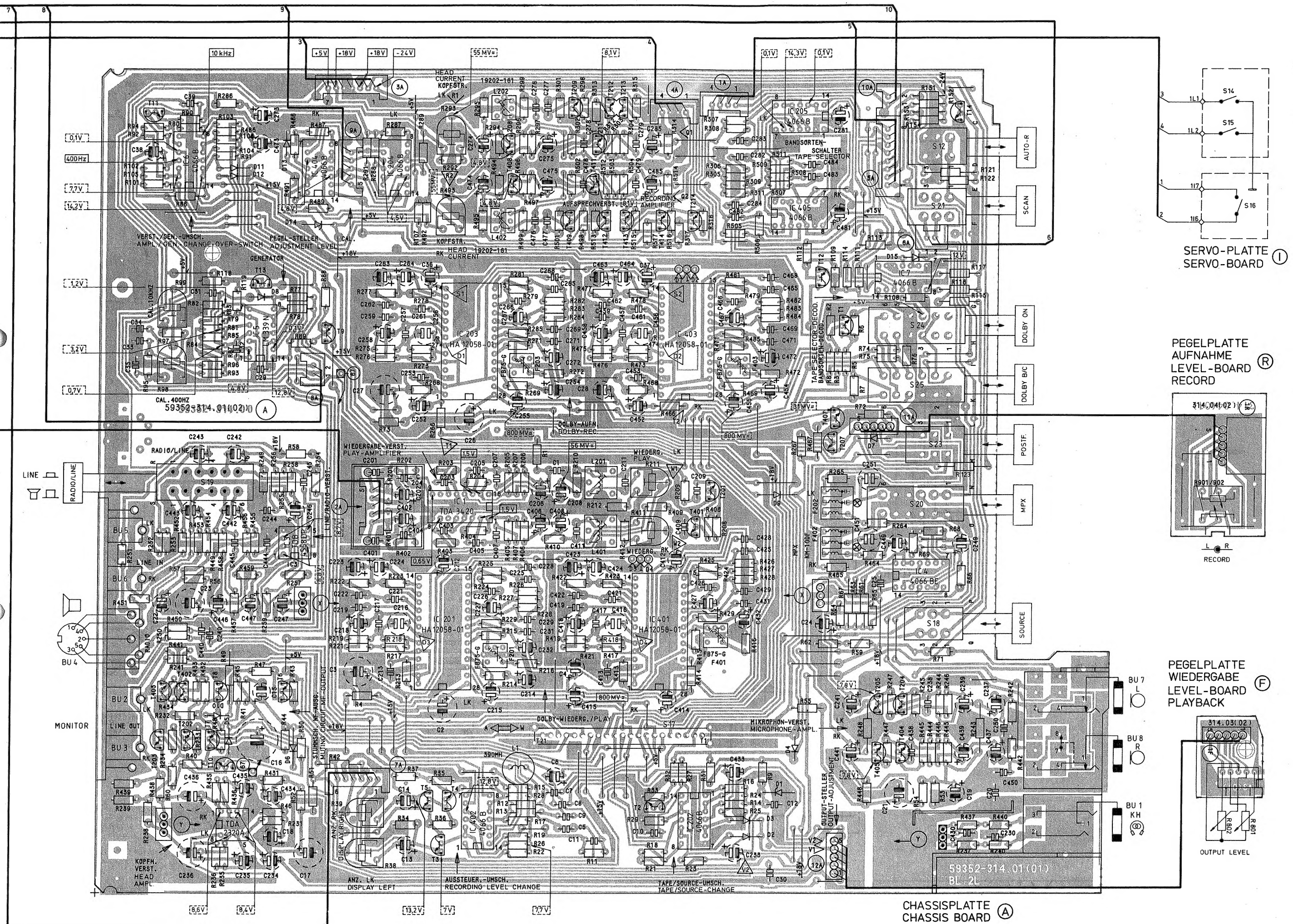
SERVOMOTOR



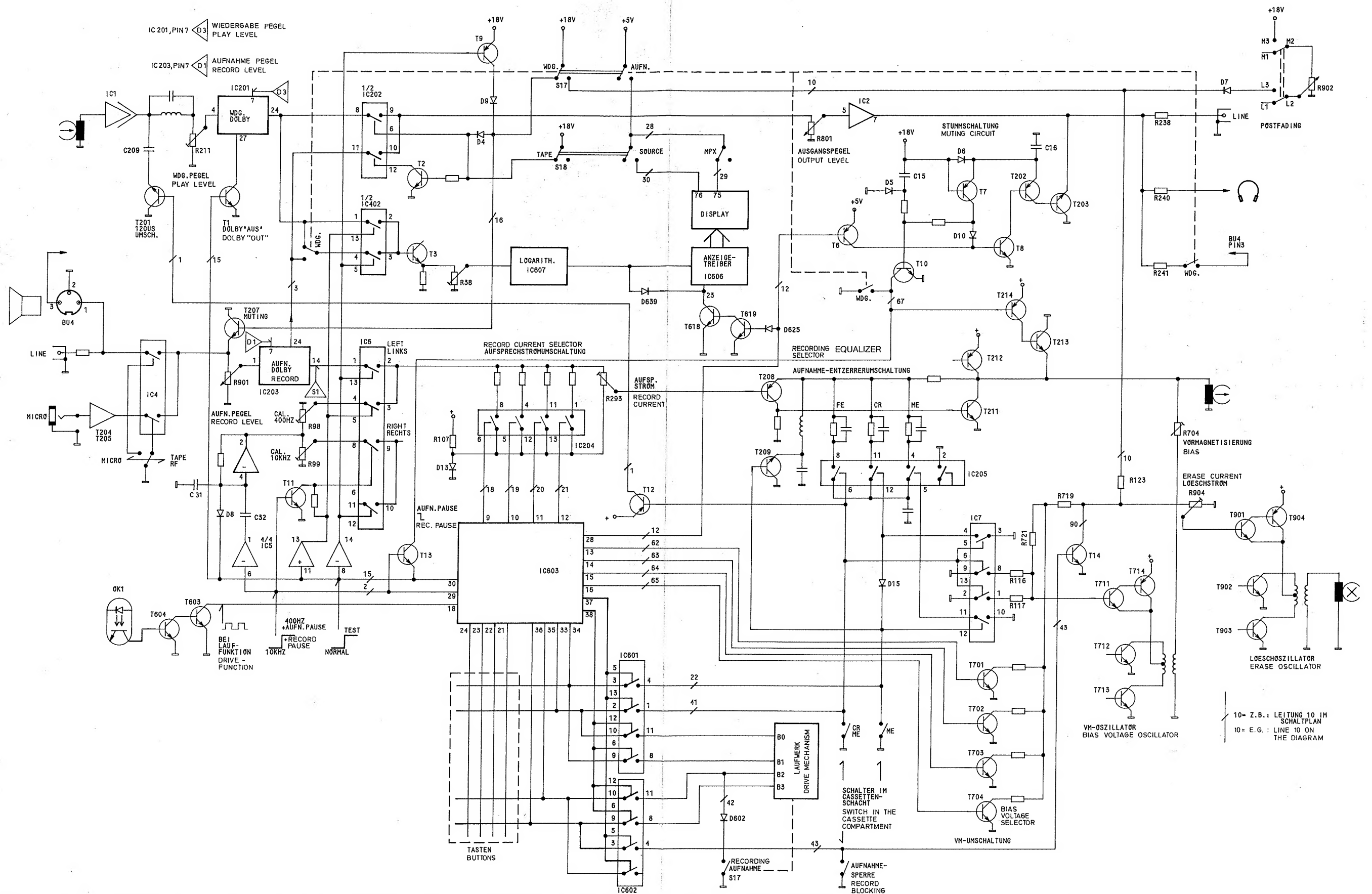
OSZILLATORPLA
OSCILLATOR BOA



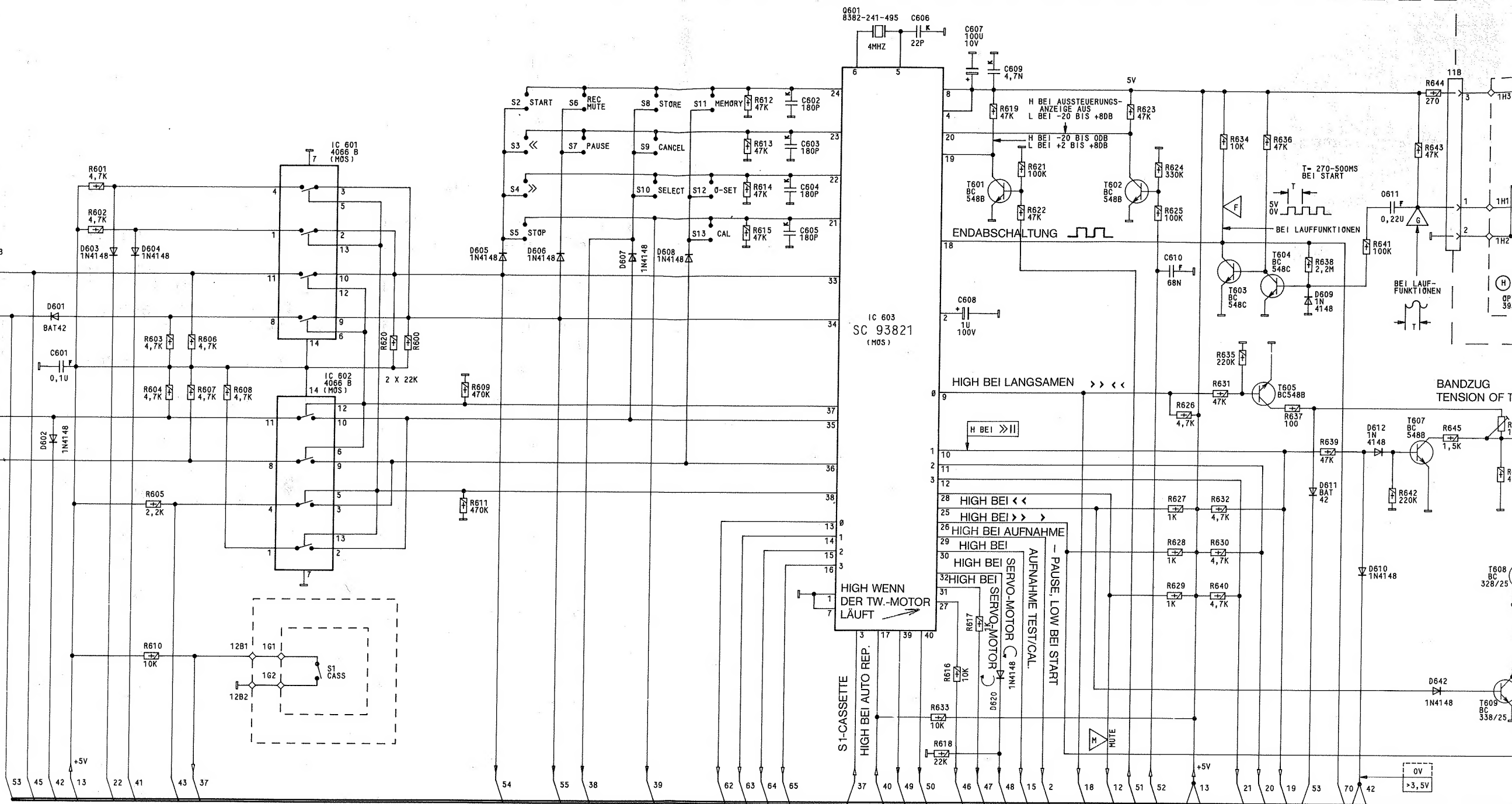
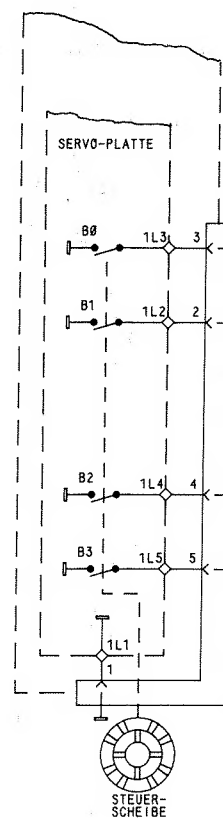




BLOCKSCHALTUNG CF 7500, NUR LINKER KANAL GEZEICHNET
 BLOCK CIRCUIT DIAGRAM CF 7500, LEFT CHANNEL ONLY SIGNED



MESSPUNKTE
 MEASURING POINTS
 ABGLEICHPUNKTE
 ALIGNMENT POINTS



8

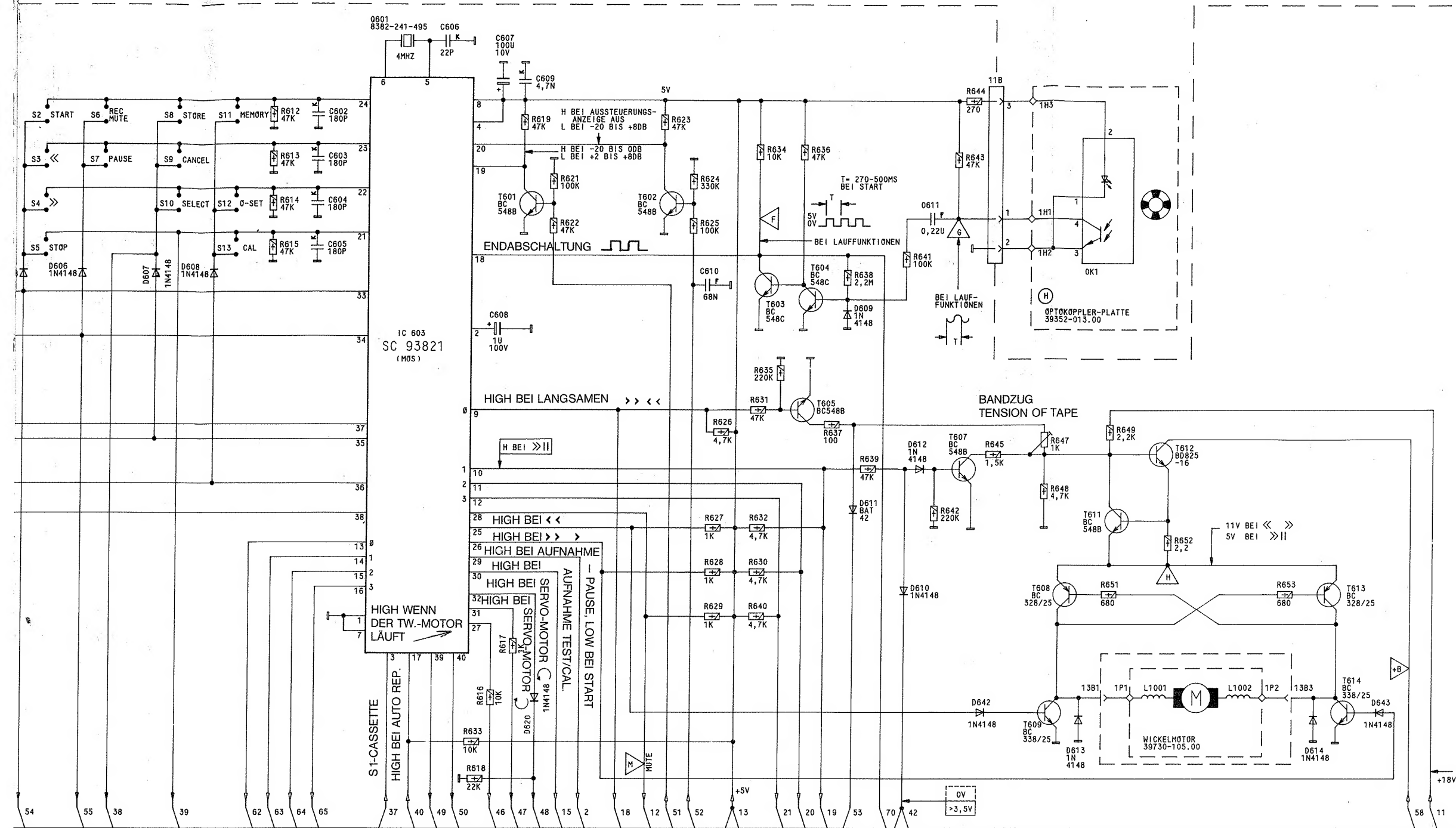
ELECTRONICPLATTE
59352-075.00

MESSPUNKTE
MEASURING POINTS
ABGLEICHSPUNKTE
ALIGNMENT

▽ M

▽ F

▽ G

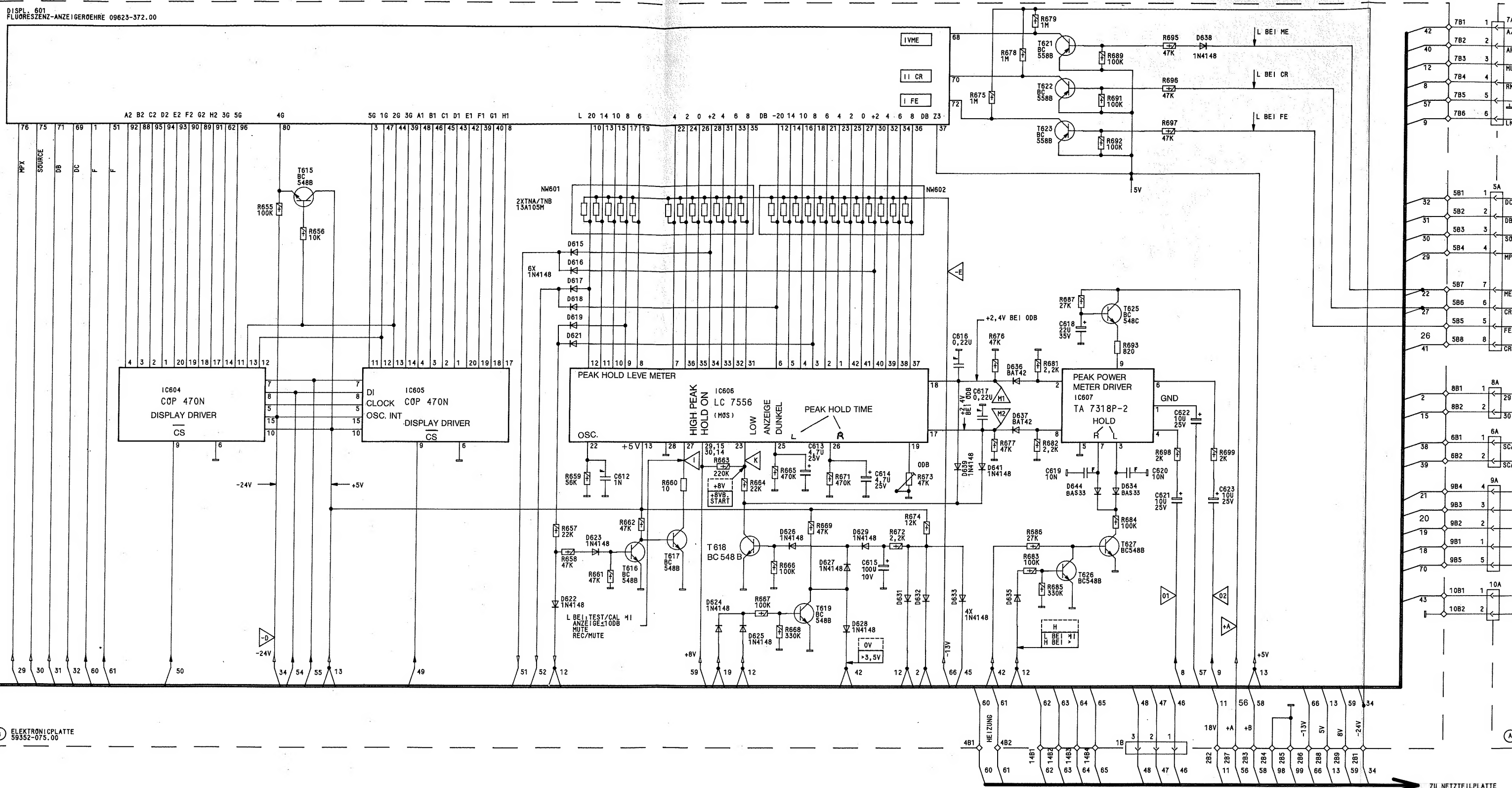


LOGIKSTEUERUNG
WICKELMOTOR
LOGIC CONTROL

GRUNDIG
CF 7500

72008-295.43

Blatt 1



GRUNDIG

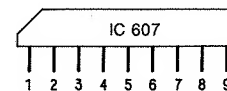
CF 7500

72008-295.43

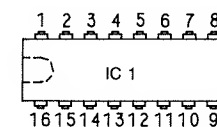
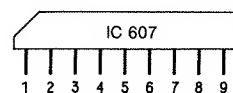
Blatt 2

ANZEIGE-DISPLAY
WIEDERGABEKÖPFE

DISPLAY
PLAYBACK HEADS



TA7318P-2



DER SPERRKREIS (L 201) FÜR DIE VORMAGNETISIERUNG - NOTWENDIG WEIL BEI FUNKTION-TEST - AUFNAHME UND WIEDERGABE GLEICHZEITIG IM BETRIEB SIND.

R 211 DOLBY 0 LEVEL ADJUSTE

R 211 DOLBY 0-PEGELSTELLER

IC 401
HA12058-01

IC 201
HA12058-01

TAPE / SOURCE-UMSCHALTUNG
TAPE/SOURCE CHANGE
COMMUTATION TAPE/SOURCE
COMMUTAZIONE TAPE/SOURCE

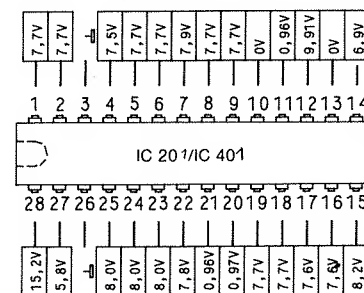
IC 202
4066B
(MOS)

AUSSTEUERUNGS-
UMSCHALTUNG
RECORDING LEVEL CHANGE-
COMMUTATION DE MODULA-
TION
COMMUTAZIONE DI MODULA-
ZIONE

IC 402
4066 B
(MOS)

CHASSISPLATTE
59352-077.00

BIASING REQUIRES BLOCKING CIRCUIT L 201 BECAUSE IN THE TEST FUNCTION BOTH RECORD AND PLAYBACK ARE ENGAGED SIMULTANEOUSLY.



HA 12058.01

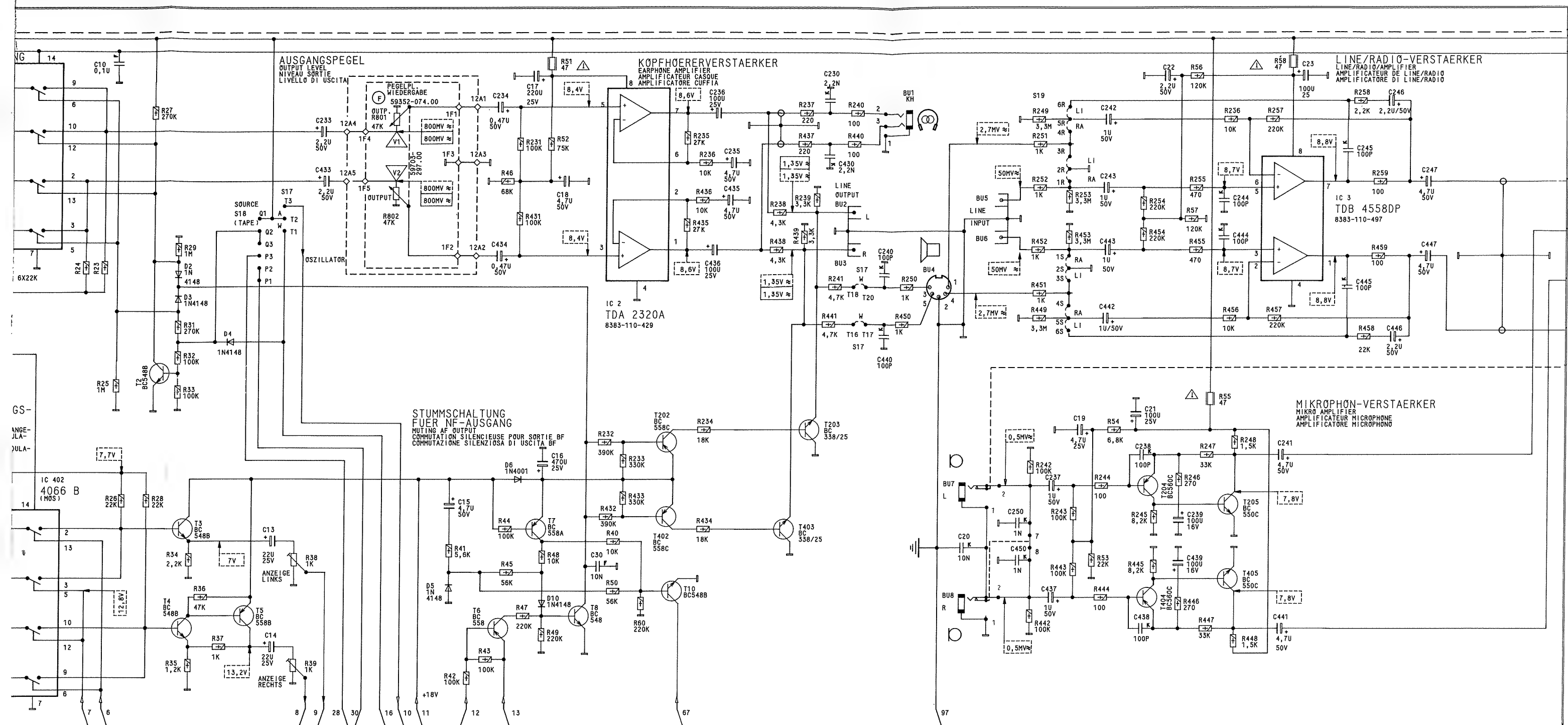
DIE NF-SPANNUNGSANGABEN IM SCHALTBIOD BEZIEHEN SICH AUF F = 315 Hz UND EINE SPANNUNG VON 580 mV AN D 1 UND D 2 BEI WIEDERGABE! HIER LIEGT AUCH DIE SCHWELLE ZWISCHEN DER AUSSTEUERUNGSANZEIGE 0dB UND +2 dB I AN MASSE LEGEN, DAMIT KEIN PEEK-HOLD (TRÄGHEITSLÖSE PEGELANZEIGE).

THE AF VOLTAGES STATED IN THE CIRCUIT DIAGRAM ARE BASED ON F = 315 Hz AND A VOLTAGE OF 580 mV AT D 3 AND D 4 DURING RECORDING AND 580 mV AT D 1 AND D 2 DURING PLAYBACK. THIS IS ALSO THE SWITCHING THRESHOLD BETWEEN THE 0 dB AND +2 dB OUTPUT DISPLAY. CONNECT 1 TO CHASSIS, TO AVOID PEAK HOLD (INSTANTANEOUS LEVEL DISPLAY)

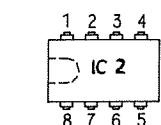
MESSPUNKTE
MEASURING POINTS
ABGLEICH-PUNKTE
ALIGNMENT POINTS

W1 W2

D3 D4



MEASUREMENTS ARE BASED ON F = 315 Hz
RECORDING AND 580 mV AT D 1
THE 0 dB AND +2 dB OUTPUT
INSTANTANEOUS LEVEL DIS-



TDA 2320A/8383-110-429
TDB 4558DP/8383-110-419

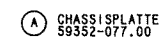
WIEDERGABE DOLBY NR
KOPFHÖRERVERSTÄRKER
EIN- UND AUSGÄNGE

PLAYBACK DOLBY NO.
HEADPHONE AMPLIFIER
INPUTS AND OUTPUTS

GRUNDIG
CF 7500

72008-295.43

Blatt 3



Blatt 4

RECORD DOLBY NO.
TEST GENERATOR



7.6V	7.7V	7.7V	7.7V	7.7V	7.7V	7.7V	7.7V	7.7V	0V	0.96V	0.91V	0V	0.9V
1	2	3	4	5	6	7	8	9	10	11	12	13	14
IC 203/IC 403													
28	27	26	25	24	23	22	21	20	19	18	17	16	15
15.2V	5.8V	7.7V	7.7V	7.8V	7.8V	7.8V	0.98V	0.98V	7.7V	7.7V	7.7V	7.7V	8.3V

HA 12058-01

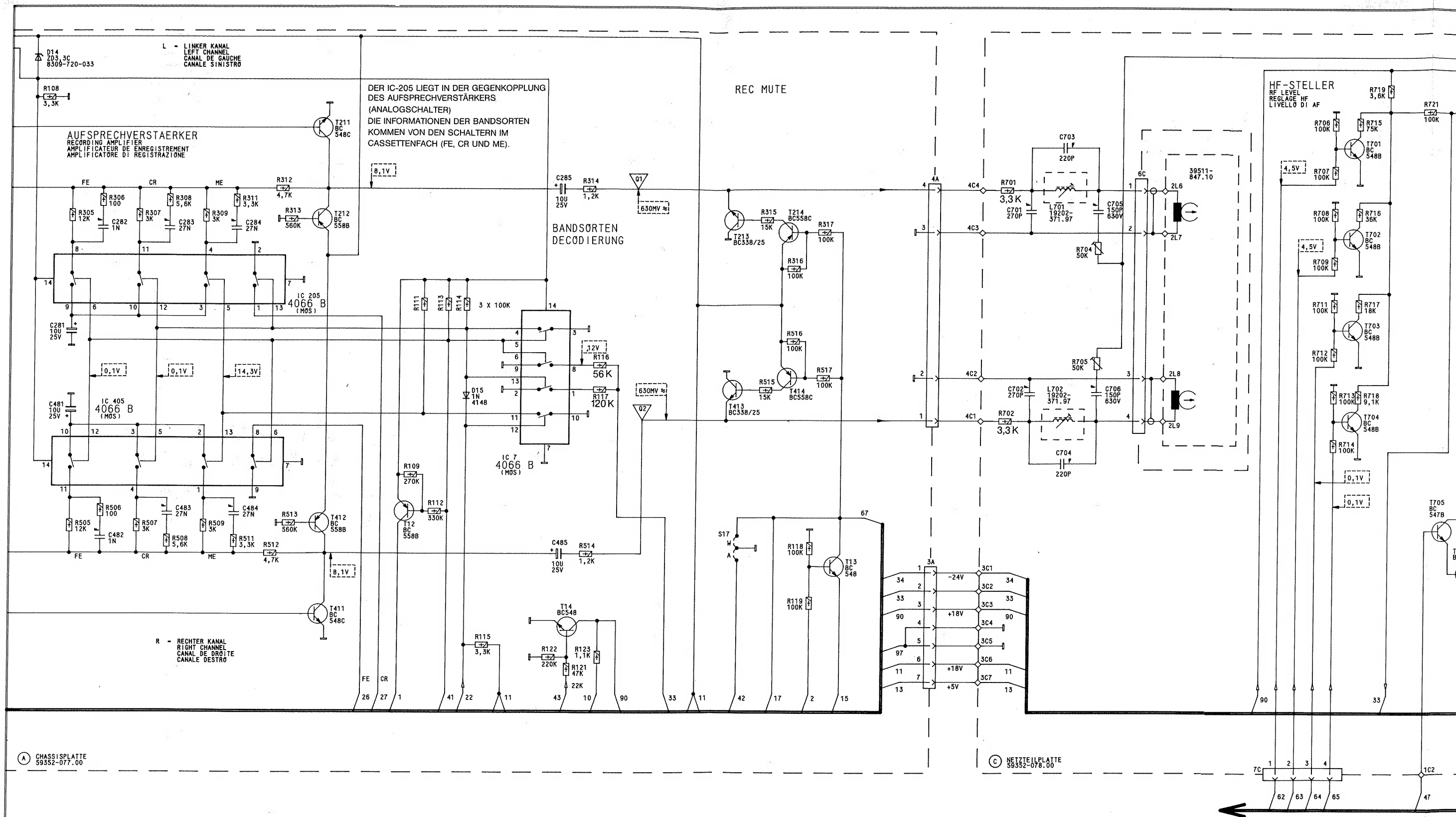
MESSPUNKTE	MEASURING POINTS
ABGLEICHPUNKTE	ALIGNMENT POINTS

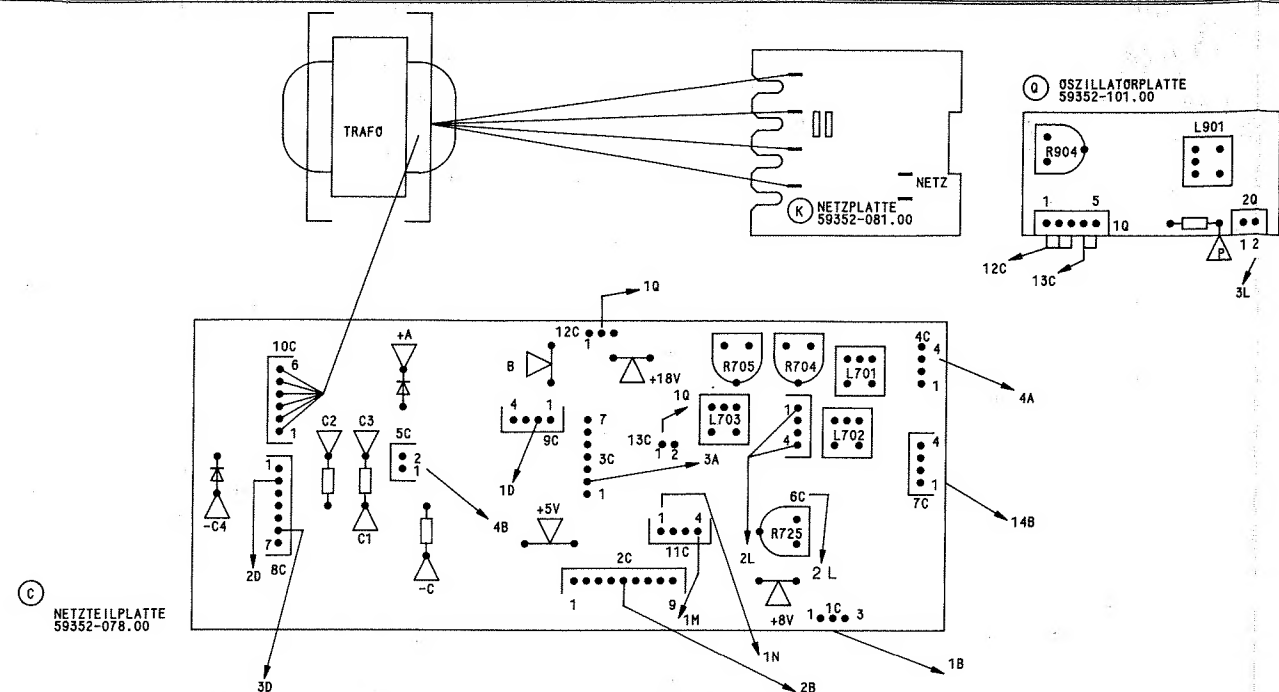
U1 U2

T1 T2

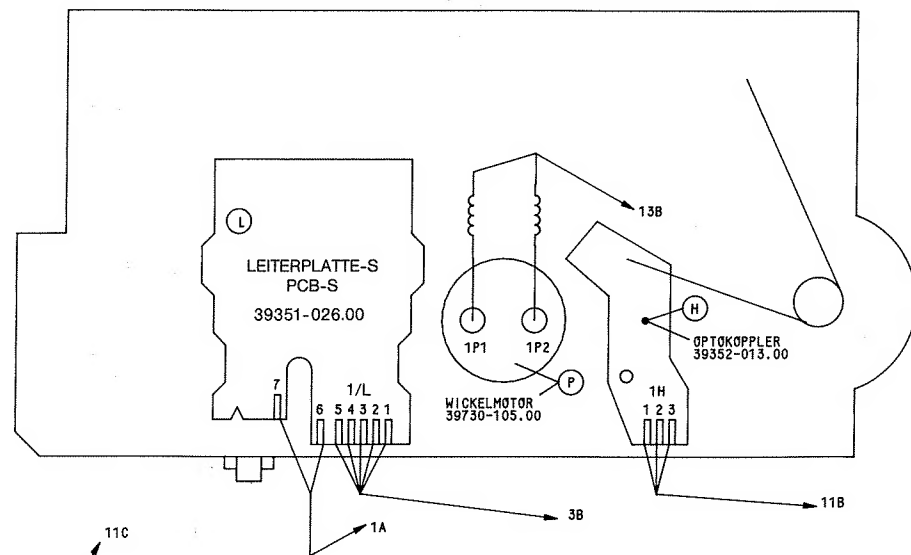
 $D1$  $D2$



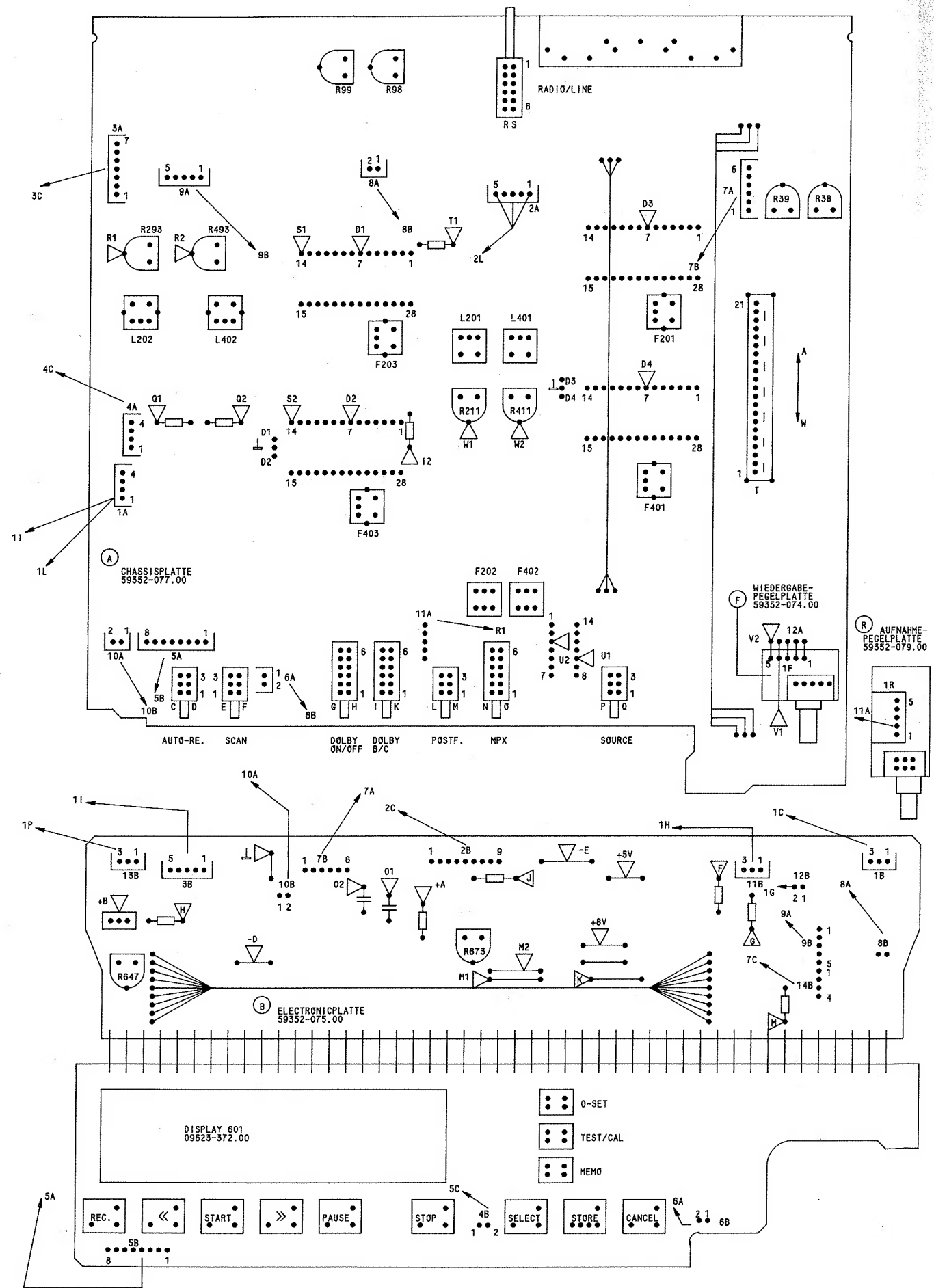
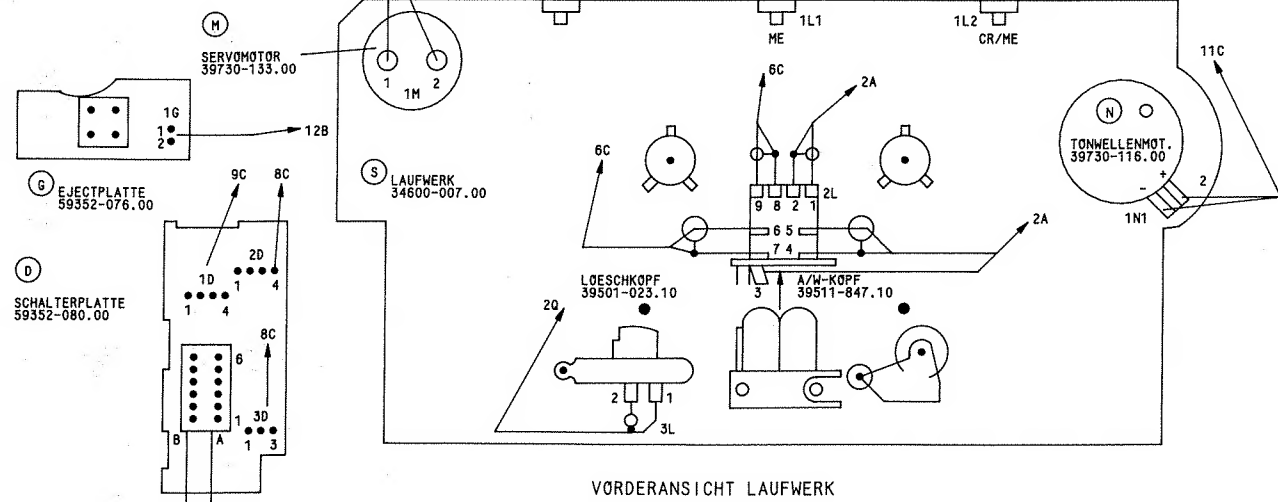




RUECKANSICHT LAUFWERK



VORDERANSICHT LAUFWERK



DISP
FL00

A2 A

C2

BD825
BD826

E C B

WIEDERGABE-
PEGELPLATTE
59352-074.00

AUFNAHME-
PEGELPLATTE
59352-079.00

1R 5

11A 1

3 1 1B

8A 1B

8B 1B

12B 2 1

9A 1

7C 1

14B 4

5 1

1 1

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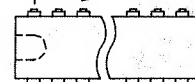
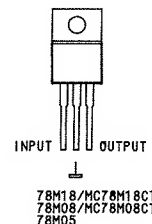
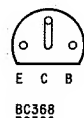
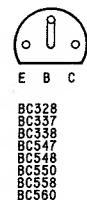
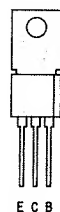
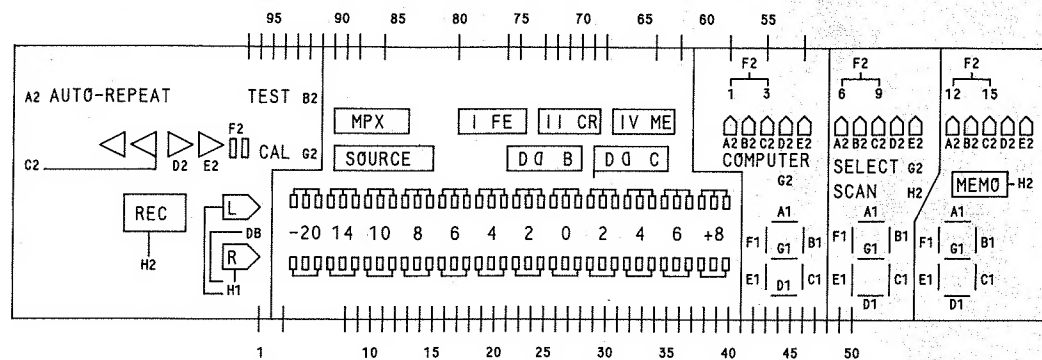
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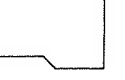
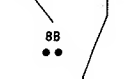
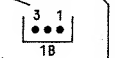
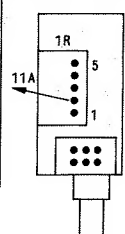
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DISPLAY 601
FLUORESCENZ-ANZEIGEROEHRE 09623-372.00



R AUFNAHME-
PEGELPLATTE
59352-079.00



A - AUFNAHME
RECORD
ENREGISTREMENT
REGISTRAZIONE

W - WIEDERGABE
PLAYBACK
REPRODUCTION
RIPRODUZIONE

BU1 KOPFHÖRER/EARPHONE/ECOUTEUR/CUFFIA
BU2 LINE OUTPUT LINKS/LEFT/GAUCHE/SINISTRO
BU3 LINE OUTPUT RECHTS/RIGHT/DROITE/DESTRO
BU4 RADIO
BU5 LINE INPUT LINKS/LEFT/GAUCHE/SINISTRO
BU6 LINE INPUT RECHTS/RIGHT/DROITE/DESTRO
BU7 MICRO LINKS/LEFT/GAUCHE/SINISTRO
BU8 MICRO RECHTS/RIGHT/DROITE/DESTRO

R211 DOLBY-NR BEZUGSPEGEL
DOLBY-NR REFERENCE LEVEL
R411 REGLAGE DE NIVEAU DE REFERENCE DOLBY-NR
REGOLATORE DEL LIVELLO DI RIFERIMENTO DOLBY-NR

R38 ANZEIGE RECHTS
INDICATION RIGHT
AFFICHAGE DE DROITE
INDICAZIONE DI DESTRA

R39 ANZEIGE LINKS
INDICATION LEFT
AFFICHAGE DE GAUCHE
INDICAZIONE DI SINISTRO

R673-00B

FE IEC I } BANDSORTEN
CR IEC II } TAPE TYPES
ME IEC IV } TYPES DES BANDES
TIPO DI NASTRO

R647 BANDZUG
TAPE TENSION
TENSION DE BANDE
TENSIONE DEL NASTRO

R704 VORMAGNETISIERUNG
BIAS VOLTAGE
PREMAGNETISATION
PREMAGNETIZZAZIONE

R293 BÄNDEMPFINDLICHKEIT
TAPE SENSITIVITY
SENSIBILITE DE BANDE
SENSIBILITA DEL NASTRO

R98 PEGELREGLER 400HZ
LEVEL CONTROL
REGLAGE DE NIVEAU
REGOLATORE DI LIVELLO

R99 PEGELREGLER 10KHZ
LEVEL CONTROL
REGLAGE DE NIVEAU
REGOLATORE DI LIVELLO

R725 LOESCHSTROM
ERASE CURRENT
COURANT D'EFFACEMENT
CORRENTE DI CANCELLAZIONE

R901 AUFNAHMEPEGEL
RECORDING LEVEL
NIVEAU DE ENREGISTREMENT
R902 LIVELLO DI REGISTRAZIONE

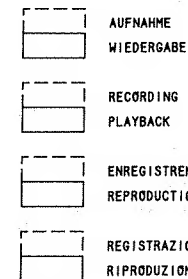
R801 AUSGANGSPEGEL
OUTPUT LEVEL
NIVEAU SORTIE
R802 LIVELLO DI USCITA

GLEICHSPANNUNGEN GEMESSEN BEI NENNSPANNUNG OHNE SIGNAL GEGEN MASSE. EINGANGSWIDERSTAND DES VOLTMETERS R: >= 1 MEGOHM

DC-VOLTAGES MEASURED AGAINST MINUS AT NOMINAL VOLTAGE AND NO SIGNAL. INPUT RESISTANCE OF VOLTMEETER R: >= 1 MEGOHM.

TENSIONS CONTINUES MEASUREES PAR RAPPORT A NEGATIF A UNE TENSION NOMINALE ET SANS SIGNAL. LA RESISTANCE D'ENTREE DU VOLTMETRE DOIT ETRE R: >= 1 MEGOHM.

TENSIONI CONTINUE MISURATE A TENSIONE NOMINALE, VERSO MASSA E SENZA SEGNALE. RESISTENZA D'INGRESSO DEL VOLTMETRO R: >= 1 MEGOHM.



GLEICHSPANNUNG
DC-VOLTAGE
TENSION CONTINUE
TENSION CONTINUA
WECHSELSPANNUNG
AC-VOLTAGE
TENSION ALTERNATIVE
TENSIONE ALTERNATA
REGELSPANNUNG
CONTROL VOLTAGE
TENSION DE REGLAGE
TENSIONE DI CONTROLLO
ABSTIMMSpannung
TUNING VOLTAGE
TENSION DE SYNTONISATION
TENSIONE DI SINTONIA

ÄNDERUNGEN VORBEHALTEN
SUBJECT TO ALTERATION
MODIFICATIONS RESERVEES
CON RISERVA DI MODIFICA

S1 EJECT
S2 START
S3 RUECKLAUF/REWIND/AVANCE RAPIDE/RIAVVOLGIMENTO
S4 VORLAUF/FORWARD WIND/RETOUR RAPID/AVVOLGIMENTO
S5 STOP
S6 REC MUTE
S7 PAUSE
S8 STORE
S9 CANCEL
S10 SELECT
S11 MEMORY
S12 O-SET
S13 TEST/CAL
S14 ME
S15 CR/ME
S16 AUFNAHMEPERRE/RECORDING LOCK/BLOQUAGE ENREGISTREMENT/BLOCCO DI REGISTRAZIONE
S17 A/W-SCHALTER/A/W SWITCH/A/W COMMUTEUR/A/W COMMUTATORE (7X)
S18 SOURCE
S19 RADIO/LINE
S20 MPX (FILTER) ON/OFF
S21 NEXT/SCAN
S22 AUTO REP.
S23 POST-FADING
S24 DOLBY ON/OFF
S25 DOLBY B/C
S26 POWER

IM CASSETTENSCHACHT
IN CASSETTE COMPARTMENT
DANS LE LOGEMENT CASSETTE
NEL VANO CASSETTA

SW-SCHWARZ
BLACK
NOIR
NERO
BR-BRAUN
BROWN
BRUN
MARRONE
RT-ROT
RED
ROUGE
ROSSO

GE-GELB
YELLOW
JAUNE
GIALLO
GN-GRÜN
GREEN
VERT
VERDE
BL-BLAU
BLUE
BLEU
BLU

VI-VIOLETT
VIOLET
VIOLET
VIOLETT
GR-GRAU
GREY
GRIS
GRIGIO
WS-WEISS
WHITE
BLANC
BIANCO

RS-ROSA
PINK
ROSE
ROSA
OR-ORANGE
ORANGE
ARANCIONE
TR-TRANSPARENT
TRANSPARENT
TRANSPARENT
TRASPARENTE

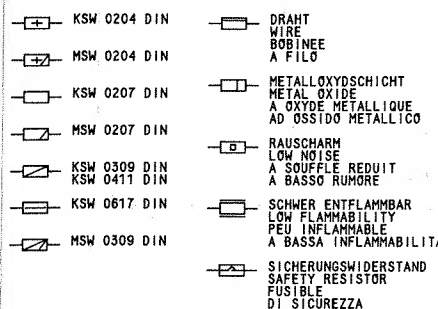
FUER DIE GERAETESICHERHEIT ABSOLUT NOTWENDIG UND ENTSPRECHEND DEN RICHTLINIEN DES VDE BZW. IEC, IM ERSATZFALL DÜRFEN NUR BAUTEILE MIT GLEICHER SPEZIFIKATION VERWENDET WERDEN.

ABSOLUTELY NECESSARY FOR THE SAFETY OF THE SET. THESE COMPONENTS MEET THE SAFETY REQUIREMENTS ACCORDING TO VDE OR IEC. RESP. AND MUST BE REPLACED BY PARTS OF SAME SPECIFICATION ONLY.

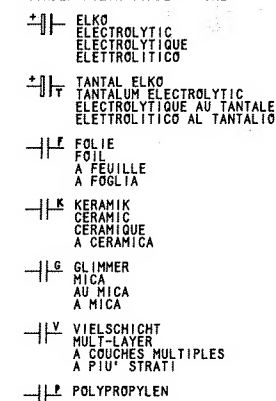
ABSOLUMENT NECESSAIRE POUR LA SECURITE DE L'APPAREIL ET CONFORME AUX REGULATIONS VDE ET IEC, EN CAS DE REMPLACEMENT, N'UTILISER QUE DES COMPOSANTS AVEC LES MEMES SPECIFICATIONS.

NECESSARI PER LA SICUREZZA DELL' APPARECCHIO E SONO CONFORMI ALLE NORME DI SICUREZZA VDE E IEC. IN CASA DI SOSTITUZIONE IMPIEGARE QUINDI SOLTANTO PEZZI DI RICAMBIO ORIGINALI.

WIDERSTAND/RESISTOR
RESISTANCE/RESISTENZA



KONDENSATOR/CAPACITOR
CONDENSATEUR/CONDENSATORE



SW-SCHWARZ
BLACK
NOIR
NERO
BR-BRAUN
BROWN
BRUN
MARRONE
RT-ROT
RED
ROUGE
ROSSO

GE-GELB
YELLOW
JAUNE
GIALLO
GN-GRÜN
GREEN
VERT
VERDE
BL-BLAU
BLUE
BLEU
BLU

VI-VIOLETT
VIOLET
VIOLET
VIOLETT
GR-GRAU
GREY
GRIS
GRIGIO
WS-WEISS
WHITE
BLANC
BIANCO

RS-ROSA
PINK
ROSE
ROSA
OR-ORANGE
ORANGE
ARANCIONE
TR-TRANSPARENT
TRANSPARENT
TRANSPARENT
TRASPARENTE

LAGEPLAN

GRUNDIG

CF 7500

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Blatt 6